

CENTRAL INTELLIGENCE AGENCY

REPORT

## INFORMATION REPORT

CD NO.

25X1

COUNTRY	East Germany	DATE DISTR.	3 October 1955
SUBJECT	Fuel Sample from a Railroad Tank Car Unloaded at Brandis Airfield	NO. OF PAGES	2
PLACE ACQUIRED		NO. OF ENCLS. (LISTED BELOW)	
DATE OF INFO.		SUPPLEMENT TO REPORT NO.	25X1

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In early June 1955, a fuel sample was obtained from a railroad tank car which had been unloaded at Brandis airfield. The origin of the contents of the tank car could not be determined.

Comment. A qualitative analysis was conducted which, however, did not offer any clue as to what type of basic crude oil had been used for the distillation of the fuel in question. Judging by the low aromates contents, the low sulphur contents, [REDACTED] the relatively high aniline point, it may be assumed that a [REDACTED] basic crude oil has been used. The analysis furthermore did [REDACTED] the product cannot be classified according to any of the generally accepted standards for jet fuel. Its flash point is too low and its color is beyond the specified limits. It may be stated that the formula does not apply to any of the conventional petroleum-refining products.

The analysis gave the following results:

D15/4	0.7851 = 48,7 API°
Color	pale yellow
Corrosion 3h/1000	negative
Flash point A.P.	29,5° centigrade
Tetraethyl lead content	0
Sulphur content	0.130
Freezing point	below minus 65° centigrade
Aniline point	59.2° centigrade
Aniline gravity constant	6750
Gum	1.4 mgr/100 ml
Aromates	13.5 volume percent

Boiling analysis

Initial boiling temperature	130° centigrade
5 percent	144
10 "	148
20 "	155.5

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30 percent	162
40 "	169
50 "	177
60 "	185
70 "	195
80 "	206
90 "	222
95 "	239
Final boiling temperature	256
Output percentage	98.5
Loss	0

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